

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A system for providing digital entertainment data, the system comprising:

a residential gateway storing a browser-based graphical user interface in memory, the residential gateway receiving an instruction from a client device to retrieve the graphical user interface from the memory and to send the graphical user interface to the client device, the graphical user interface describing content available from the residential gateway

~~multiple tuners and demodulators connected to, and sending information signals to, a media bus;~~

~~a system data bus connected to the media bus and receiving the information signals;~~

~~a network bus connected to the system data bus and receiving the information signals;~~

~~a data switch connected to the network bus, the data switch receiving the information signals and sending the information signals to a plurality of switch ports;~~

~~a mass storage device connected to the system data bus and storing the information signals;~~

~~each of the multiple tuners selecting a respective content item from a plurality of content items;~~

~~the multiple tuners and demodulators connected to the system data bus that is connected to the network bus, each of the multiple tuners and demodulators coupled to a different switch port of the data switch to send the information signals to the data switch; and~~

~~the system data bus connected to a third switch port of the data switch, the system data bus being shared amongst the multiple tuners and demodulators, wherein the multiple tuners and demodulators each share the system data bus to communicate information to the third switch port.~~

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5. (Currently Amended) The system of claim 1, further comprising a data switch coupled to the residential gateway and to the client device, the data switch receiving the instruction from the client device and sending the graphical user interface to the client device wherein the mass storage device stores an item identifier corresponding to each stored content item, the item identifier having a value that indicates the content item has been played, another value indicating the content item has been purchased, and a third value indicating the content item has been licensed.
6. (Currently Amended) The system of claim 1, wherein the graphical user interface includes instructions for controlling the residential gateway from the client device ~~mass storage device stores an item identifier corresponding to each stored content item, the item identifier storing a cost of playback for each content item and a second cost of purchase for each content item.~~
7. (Currently Amended) The system of claim 1, wherein the residential gateway receives a client instruction from the client device to at least one of access the content, retrieve the content, and record the content ~~a broadband data port couples to the data switch to receive a content item from a broadband data service provider, the content item downloaded and stored on the mass storage device at a data rate that is less than a playback rate in bytes per second, and the system monitoring when a remaining amount of time required to complete the download is less than a playback time of the content item, such that the system may indicate that the content item is available for playback.~~

8. (Currently Amended) The system of claim 1, further comprising a smart card reader that, when authenticated, controls access to the content available from the residential gateway wherein a broadband data port couples to the data switch to receive a content item from a broadband service provider, the content item communicated from the data switch for storage at the mass storage device, the content item comprising a content item storage position identifier specifying a logical storage position in the mass storage device, and when new content items are downloaded and stored, a new content item storage position identifier is also downloaded for the content item already stored on the mass storage device.
9. (Currently Amended) The system of claim [[8]] 1, further comprising a smart card reader that, when authenticated, controls access to pay-per-view content available from the residential gateway first multimedia input, the first multimedia input coupled to the multiple tuners, wherein the first multimedia input is to receive a plurality of transmission signals.
10. (Currently Amended) The system of claim [[9]] 1, further comprising a remote control that issues commands that control the residential gateway wherein the plurality of transmission signals include a plurality of television program signals.
11. (Currently Amended) The system of claim [[9]] 1, further comprising movies that have been automatically downloaded to the memory of the residential gateway wherein the plurality of transmission signals include an audio signal.

12. (Currently Amended) The system of claim [[9]] 11, further comprising a data table stored in the memory of the residential gateway that associates a content identifier to a usage indicator for each movie, the content identifier identifying each movie automatically downloaded to the memory of the residential gateway, and the usage indicator indicating that a movie has been played or purchased wherein the plurality of transmission signals include a data signal.
13. (Currently Amended) The system of claim [[9]] 12, wherein the graphical user interface further describes the movies that were automatically downloaded to the memory of the residential gateway ~~plurality of transmissions signals are received from a transmission facility selected from the group consisting of a direct broadcast satellite, a cable headend, and a terrestrial transmitter.~~
14. (Currently Amended) The system of claim [[9]] 11, wherein the movies are downloaded based upon a profile ~~plurality of transmission signals are multiplexed transmission signals selected from the group of frequency divided multiplexed transmission signals, time divided multiplexed transmission signals, code divided multiplexed transmission signals, wavelength divided multiplexed transmission signals, and dense wavelength divided multiplexed transmission signals.~~
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36. (Currently Amended) A method of providing digital entertainment data, the method comprising:

storing content items in memory of a residential gateway;

storing a usage indicator for each content item, the usage indicator indicating whether a content item has been played;

storing a browser-based graphical user interface in the memory of the residential gateway;

receiving an instruction from a client device to retrieve the graphical user interface from the memory;

sending the graphical user interface to the client device with the graphical user interface describing the usage indicator for each content item stored in the memory of the residential gateway

~~receiving a plurality of transmission signals at multiple tuners, each transmission signal including an information signal;~~

~~selecting a first transmission signal of the plurality of transmission signals;~~

~~demodulating the first transmission signal to isolate a first information signal;~~

~~sending the first information signal over a media bus connected to a system data bus;~~

~~storing the first information signal on a mass storage device connected to the system data bus;~~

~~connecting the system data bus to a network bus;~~

~~sending the first information signal over the network bus to a digital data switch;~~

~~sharing the system data bus amongst the multiple tuners, such that the multiple tuners each share the system data bus to communicate information signals to the network bus and to the data switch; and~~

~~sending the first information signal to a first broadband communications link coupled to the digital data switch.~~

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39. (Currently Amended) The method of claim 36, further comprising:

coupling a data switch between the residential gateway and the client device;
receiving the instruction at the data switch and sending the graphical user interface from the data switch to the client device ~~superimposing multiple information signals onto a single information signal.~~

40. (Currently Amended) The method of claim 36, further comprising including instructions in the graphical user interface for controlling the residential gateway from the client device ~~storing an item identifier corresponding to each stored information signal, the item identifier having a value that indicates the information signal has been played, another value indicating the information signal has been purchased, and a third value indicating the information signal has been licensed.~~

41. (Currently Amended) The method of claim 36, further comprising receiving a client instruction from the client device to at least one of access the content item, retrieve the content item, and record the content item ~~storing an item identifier corresponding to each stored information signal, the item identifier storing a cost of playback for each information signal and a second cost of purchase for each information signal.~~

42. (Currently Amended) The method of claim 36, further comprising using a smart card reader that, when authenticated, controls access to the content items stored in the memory of the residential gateway receiving an item identifier corresponding to each information signal, the item identifier downloaded and stored on the mass storage device at a data rate that is less than a playback rate in bytes per second, and when a remaining amount of time required to complete the download is less than a playback time of the information signal, then indicating that the information signal is available for playback.
43. (Currently Amended) The method of claim 36, further comprising receiving commands from a remote control to control the residential gateway an item identifier corresponding to the information signal, the item identifier comprising a storage position identifier specifying a logical storage position in the mass storage device, and when new information signals are downloaded and stored, a new storage position identifier is also downloaded for the information signal already stored on the mass storage device.
44. (Currently Amended) The method of claim 36, further comprising providing a description of the content items in the graphical user interface that are stored in the memory of the residential gateway wherein the digital data switch is an Ethernet switch.
45. (Currently Amended) The method of claim 36, further comprising accessing a profile to determine the content items stored in the memory of the residential gateway wherein the digital data switch is a router.
46. (Currently Amended) The method of claim 36, further comprising a data table stored in the memory of the residential gateway that associates a content identifier to the usage indicator for each content item, the content identifier identifying each content item that is stored in the memory of the residential gateway, and the usage indicator indicating that a movie has been played wherein the first broadband communication link is selected from the group consisting of a category 5 cable, a category 5e cable, a category 6 cable, a category 7 cable, and an OC-3 cable.

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52. (New) A computer readable medium storing processor executable instructions for performing a method of providing digital entertainment data, the method comprising:

storing content items in memory of a residential gateway;

storing a browser-based graphical user interface in the memory of the residential gateway;

receiving an instruction from a client device to retrieve the graphical user interface from the memory;

sending the graphical user interface to the client device with the graphical user interface describing the usage indicator for each content item stored in the memory of the residential gateway.

53. (New) The computer readable medium of claim 52, further comprising:

coupling a data switch between the residential gateway and the client device;

receiving the instruction at the data switch and sending the graphical user interface from the data switch to the client device.

54. (New) The computer readable medium of claim 52, further comprising including instructions in the graphical user interface for controlling the residential gateway from the client device.

55. (New) The computer readable medium of claim 52, further comprising receiving a client instruction from the client device to at least one of access the content item, retrieve the content item, and record the content item.
56. (New) The computer readable medium of claim 52, further comprising using a smart card reader that, when authenticated, controls access to the content items stored in the memory of the residential gateway.
57. (New) The computer readable medium of claim 52, further comprising receiving commands from a remote control to control the residential gateway.
58. (New) The computer readable medium of claim 52, further comprising providing a description of the content items in the graphical user interface that are stored in the memory of the residential gateway.
59. (New) The computer readable medium of claim 52, further comprising accessing a profile to determine the content items stored in the memory of the residential gateway.
60. (New) A computer readable medium storing processor executable instructions for performing a method of providing digital entertainment data, the method comprising:

storing content items in memory of a residential gateway;

storing a usage indicator for each content item, the usage indicator indicating whether a content item has been played;

storing a browser-based graphical user interface in the memory of the residential gateway;

receiving an instruction from a client device to retrieve the graphical user interface from the memory;

sending the graphical user interface to the client device with the graphical user interface describing the usage indicator for each content item stored in the memory of the residential gateway.

61. (New) The computer readable medium of claim 60, further comprising:

coupling a data switch between the residential gateway and the client device;
receiving the instruction at the data switch and sending the graphical user interface from the data switch to the client device.

62. (New) The computer readable medium of claim 60, further comprising including instructions in the graphical user interface for controlling the residential gateway from the client device.

63. (New) The computer readable medium of claim 60, further comprising receiving a client instruction from the client device to at least one of access the content item, retrieve the content item, and record the content item.

64. (New) The computer readable medium of claim 60, further comprising using a smart card reader that, when authenticated, controls access to the content items stored in the memory of the residential gateway.

65. (New) The computer readable medium of claim 60, further comprising receiving commands from a remote control to control the residential gateway.

66. (New) The computer readable medium of claim 60, further comprising providing a description of the content items in the graphical user interface that are stored in the memory of the residential gateway.

67. (New) The computer readable medium of claim 60, further comprising accessing a profile to determine the content items stored in the memory of the residential gateway.

68. (New) The computer readable medium of claim 60, further comprising a data table stored in the memory of the residential gateway that associates a content identifier to the usage indicator for each content item, the content identifier identifying each content item that is stored in the memory of the residential gateway, and the usage indicator indicating that a movie has been played.